



Department of Energy

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9300299

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Mr. Paul T. Day
Hanford Project Manager
U.S. Environmental Protection Agency
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Mr. David B. Jansen, P.E.
Hanford Project Manager
State of Washington
Department of Ecology
P.O. Box 47600
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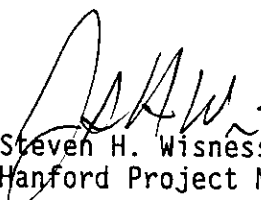
Dear Messrs. Day and Jansen:

GROUT STATUS REPORT FOR STATE OF WASHINGTON DEPARTMENT OF ECOLOGY

Enclosed is the monthly Grout Status Report on the Hanford Grout Disposal Program for the month of October 1992 (Enclosure 1) and the statused Grout Program Overview Schedule (Enclosure 2).

Please direct any questions that you may have to Ms. Lori Huffman of the Disposal Division on (509) 376-0104.

Sincerely,


Steven H. Wisness
Hanford Project Manager

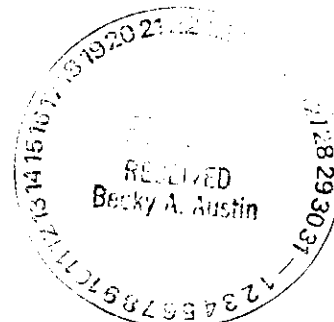
DSD:RC

Enclosures (2)

1. Grout Status Report
2. Grout Program Overview Schedule

cc:

J. Witzack, Ecology
D. Duncan, EPA
J. L. Epstein, WHC
G. H. Williamson, WHC
R. F. Wood, WHC
W. T. Gretsinger, WHC
D. W. Lindsey, WHC
B. A. Austin, WHC



GROUT MONTHLY ECOLOGY REPORT

OCTOBER 1992

EXECUTIVE SUMMARY

The Hanford Grout Disposal Program (HGDP) is currently planning toward an October 1993 Grout Facilities restart. Efforts associated with completion and approval of the Performance Assessment (PA), Final Safety Analysis Report (FSAR), Grout Issue Paper recommendations/decisions, Grout Facilities physical upgrades/modifications, Operational Readiness Review (ORR) and the finalization of grout formulation are major activities in support of the final disposal and solidification of the first one million gallons from Hanford's double-shell tanks (partial M-01-01A).

The Tri-Party Agreement (TPA) change request which was submitted to the regulators in September 1992 has been denied by the Washington State Department of Ecology (Ecology) and the Environmental Project Agency (EPA). The regulators denied the change request due to untimely submittal of change package to regulators and mitigating technical discussions of the change request.

Planning efforts are proceeding to meet milestone M-01-02A, Initiate Construction of Vaults 106-109, since the denial of TPA change request by the regulators. It should be noted that the change request recommended deferral of this milestone due to technical uncertainties outlined in Final Grout Issue Paper and TPA change request M-01-92-01A concerning this disposal action. Resources required to carry out this milestone are being pursued, since milestone deferral was earlier recommended and was expected as the prudent course of action.

PERFORMANCE ASSESSMENT (PA)

The Grout PA Base Case description was reviewed by the Grout PA Steering Committee. A number of comments and recommendations were raised, but these do not impact the start of modeling activities. Modeling activities have been initiated. Sensitivity and envelope cases have been identified.

Preparation of grout characteristics, grout processing, and source terms will be described in Chapter 2 of the PA, which describes the grout engineered system and site characteristics.

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FINAL SAFETY ANALYSIS REPORT (FSAR)

Resolution of comments and finalization of the "Grout Disposal Facility Gas Concentration Report," is in progress. This report will provide data which will be incorporated into the FSAR.

Efforts continue on the FSAR to incorporate comments and correct editorial errors to ready the document for U.S. Department of Energy, Richland Field Office (RL) transmittal to U.S. Department of Energy-Headquarters (DOE-HQ) by November 1992. DOE-HQ Technical Review Group (TRG) has been alerted as to the schedule of FSAR submittal to DOE-HQ.

GROUT PROCESSING FACILITY UPGRADES

Modification of the Grout Pump/Mixer Lubrication engineering study is being reviewed by Westinghouse Hanford Company (WHC) Safety, Quality Assurance and Environmental organizations.

Approval of an engineering change notice (ECN) for the Installation of Dry Materials Facility Vacuum System is pending. Approval of the ECN is planned for early November.

Engineering change notice revisions for the installation of Confinement Isolation valves have been completed and are out for review.

An ECN for the replacement of plastic tubing at the M20 transport sampler is being routed for approval.

OPERATIONAL READINESS REVIEW (ORR)

An ECN to the ORR Plan is in the approval cycle. Grout Facilities is evaluating the ORR approach being used by other WHC facilities (242-A Evaporator, UO3 Plant, and Plutonium Finishing Plant). Grout intends to follow this approach.

GROUT FORMULATION

Plans have been outlined to complete 106-AN formulation activities in early fiscal year (FY) 1993. In addition, WHC will be performing an audit on Oak Ridge National Laboratory grout formulation procedures. This audit will be performed in January 1993.

PROJECT W-125, VAULTS 106-109

Planning activities have begun outlining ground breaking activities. During November 1992, Kaisers Engineers Hanford was directed to begin efforts to extend utilities to future site and excavate for vaults 106-109, using a local sub-contractor.

Resources for this activity were deleted during the process of developing the FY 1994 activity data sheets as a result of DOE-HQ technical concerns, and the final Grout Issue Paper.

PROCEDURE DEVELOPMENT

It is estimated 786 maintenance, calibration, operation, administrative and general documents must be developed/reviewed/rewritten prior to facility restart.

At the present time, 30 of these documents have been completed.

PROJECT W-062, TANK 104-AP UPGRADES

Upgrade of this tank, second grout feed tank has become critical to support filling of vault 103. The total estimated costs (TEC) has exceeded the guidelines for General Plant Project (GPP) funding of \$1.2 million by \$.8 million. RL has requested DOE-HQ approve this workscope as a super GPP.

SCHEDULE

The integrated schedule logic has been reviewed and updated.

The attached summary critical path schedule depicts the major effort ahead to restart the facilities by October 1993. Resources, headcount, and space requirements in addition to critical path workscope efforts are all major issues requiring significant management attention and follow to assure timely startups.

HYDROGEN GENERATION

Westinghouse Hanford Company and RL personnel made a presentation to Ecology to resolve concerns surrounding Hydrogen generation. This meeting was held in Seattle with Ecology's technical consultant, Brown and Caldwell.

RL will be transmitting formal responses to Ecology regarding this issue in November 1992.

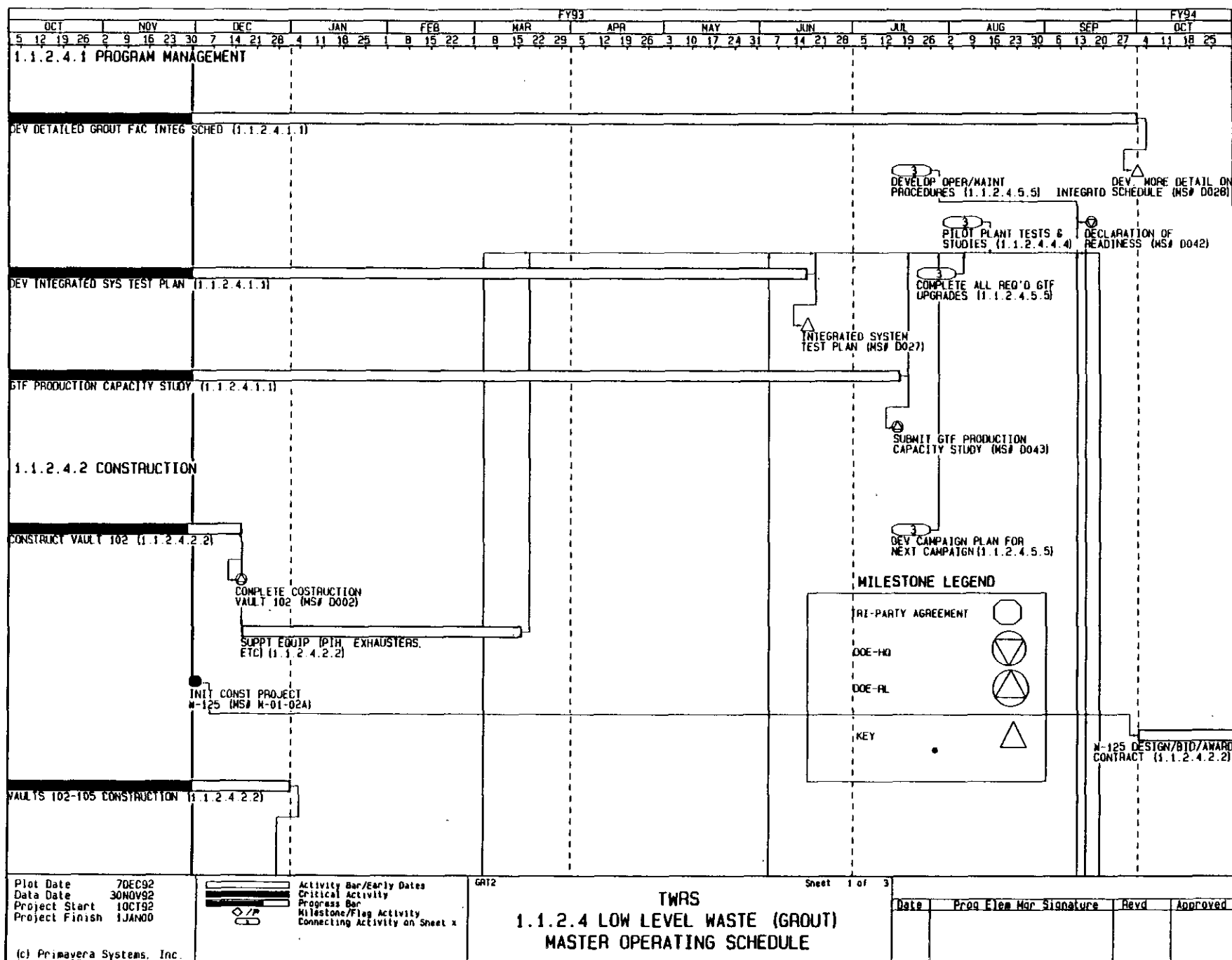
PROJECT B-714, VAULTS 102-105

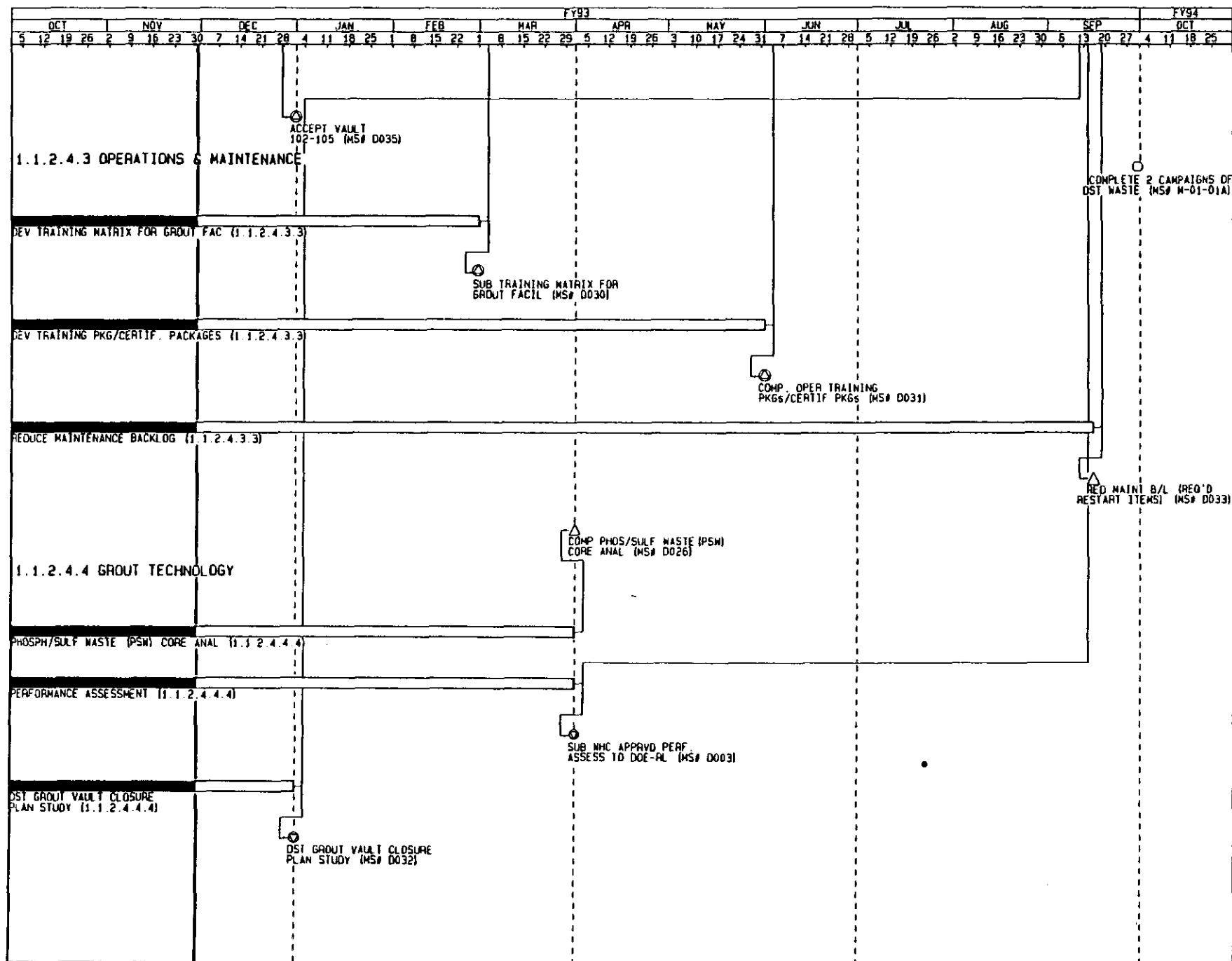
Special protective coating is being applied to the vault pit, excess water pits, and leachate pit for all vaults.

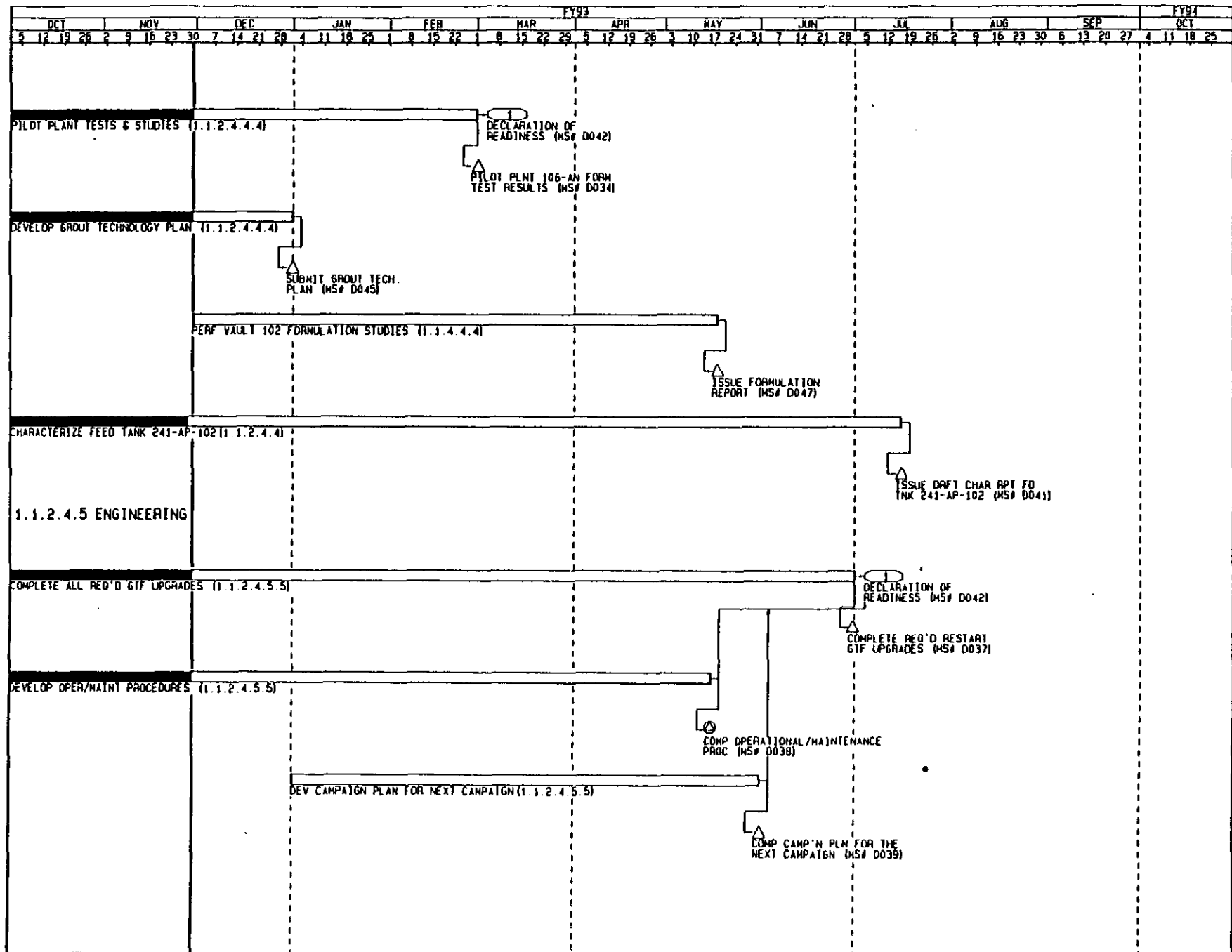
MISCELLANEOUS

Final planning for transfer of tank waste from 241-AN-106 to 241-AP-102 is continuing. Transfer will begin in November 1992.

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CORRESPONDENCE DISTRIBUTION COVERSHEET

Author: S. H. Wisness, RL Addressee: P. T. Day, EPA
 D. B. Jansen, Ecology Correspondence No.: Incoming: 9300299

Subject: GROUT STATUS REPORT FOR STATE OF WASHINGTON DEPARTMENT OF ECOLOGY

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